

[illegible]

गणेश ३२३:

bovine peptidyl-glycine alpha-amidating monooxygenase (PAM) as encoded by cDNA in lambda PAM-1, -5 and -6.

peptidyl-glycine alpha-amidating monooxygenase; PAM; in vitro maturation; genetically engineered hormone; alpha-amidated derivative; lambda PAM-1; lambda PAM-5; lambda PAM-6.

Location/Qualifiers

```

region
29...30
/note="Basic"
31..53
/note="Coincides with peptide sequence information
Obtained from cyanogen bromide fragments"
region

```

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04:57
/note="See note above"

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/note="See note above"

/note="See note above"

/note="See note above"
005 006

region
- 378 - 379
/note- basic

inding-site 411..413

region 432..433

binding-site
761..763
/not a "potential site"

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region
//6:???
/note="Basic"
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/note="Basic"
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/note="Basic"
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location
/note="Basic"
020 021

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Region 935 936 /MOLE-BASIC

Region 897..915

PAM-1ⁿ

W08902460-A.

23-MAR-1969.

AVAILABLE

DNA encoding Ste20 oxidant stress response kinase protein - useful
 to develop products to treat, e.g. inflammatory response, cancer,
 atherosclerosis, transplant rejection or viral infection
 Claim 3; Fig 1; 48pp; English.
 This protein comprises human SOK-1, a novel member of the Sps1
 family of Ste20 homologues. SOK-1 (Ste20 oxidant stress response
 kinase 1) has protein kinase activity, activates the transcription
 factor NFkappaB and induces cell cycle arrest. It is activated
 by depletion of intracellular ATP stores, an important component
 of ischaemia, and is also activated by oxidant stress. SOK-1 is
 positively regulated by phosphorylation, and is negatively
 regulated by its noncatalytic C-terminal region. The amino acid
 sequence of SOK-1 was deduced from a cDNA clone (see AAT97341)
 obtained from a human B cell cDNA library. SOK-1 polynucleotides,
 polypeptides, kinase inactive SOK mutants, biologically active
 fragments of SOK-1 and antibodies that specifically bind SOK are
 claimed. They can be used to treat conditions associated with a
 proliferative response, e.g. inflammatory response, cancer,
 atherosclerosis or balloon angioplasty induced injury to blood
 vessels, and pathological conditions associated with NFkappaB
 expression, e.g. transplant rejection, post ischemic injury and
 the response to viral infection. The products can also be used
 for detection, diagnosis and transgenic animal production.
 Sequence 426 AA:

```

Query Match      12.0%; Score 68; DB 18; Length 426;
Best Local Similarity 25.0%; Pred. No. 7.4;
Matches 21; Conservative 12; Mismatches 25; Indels 26; Gaps 2;

QY      13 VWLLSPLLRHGGHTQNTHTASPRSPVMSPKKKNOQLKVGIIHLGSRQK---KIRIQLR 69
Db      318 lwtfpftlrpsphsklnkgt-----lhssqkpadavkrqpr 354

QY      70 SQVLGGRMRDMCEDLQELHQSNVTG 93
Db      355 sqclstlrvpvgelkekhkqsg 378

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Search completed: January 24, 2002, 16:37:51
Job time: 195 sec

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